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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/751,623	12/29/2000	Akhilesh Kumar	2207/9860	8608
7:	590 03/15/2004		EXAM	INER
KENYON & KENYON			HUYNH, KIM T	
Suite 600 333 W. San Carlos, Street			ART UNIT	PAPER NUMBER
San Jose, CA 95110-2711			2112	10
			DATE MAILED: 03/15/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)
•	09/751,623	KUMAR ET AL.
Office Action Summary	Examiner	Art Unit
	Kim T. Huynh	2112
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with	n the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPI THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a report of the period for reply specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by stature than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a repply within the statutory minimum of thirty d will apply and will expire SIX (6) MONT te, cause the application to become ABA	ply be timely filed (30) days will be considered timely. HS from the mailing date of this communication. NDONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 26 (February 2004.	
2a) ☐ This action is FINAL . 2b) ☑ Th	is action is non-final.	
3) Since this application is in condition for allows	•	• •
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.
Disposition of Claims		
4) Claim(s) 1-24 is/are pending in the application	n.	
4a) Of the above claim(s) is/are withdra		
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-24</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/	or election requirement.	
Application Papers		
9) The specification is objected to by the Examin	ner.	
10)⊠ The drawing(s) filed on 29 December 2000 is/	/are: a)⊠ accepted or b)□	objected to by the Examiner.
Applicant may not request that any objection to the	e drawing(s) be held in abeyand	e. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the corre	ction is required if the drawing(s	s) is objected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the E	Examiner. Note the attached	Office Action or form PTO-152.
Priority under 35 U.S.C. § 119		
12)☐ Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C. §	119(a)-(d) or (f).
a) All b) Some * c) None of:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1. Certified copies of the priority documer	nts have been received.	
2. Certified copies of the priority documer	nts have been received in Ap	plication No
3. ☐ Copies of the certified copies of the pri	ority documents have been r	eceived in this National Stage
application from the International Burea	au (PCT Rule 17.2(a)).	
* See the attached detailed Office action for a list	st of the certified copies not re	eceived.
Attachment(s)		
1) X Notice of References Cited (PTO-892)	4) Interview Su	ımmary (PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)	/Mail Date
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 	5)	ormal Patent Application (PTO-152)
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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claims1-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over
 Morrison et al. (Pub. No.: US 2002/0038398) in view of Nakamura (US Patent 5,850,529)

As per claims 1,10, 19 Morrison discloses a method for executing a locked bus transaction in a multi-node system, comprising:

- initiating a locked-bus transaction at a bus agent;[0025], claim 4
- transmitting a locked-bus request to a first node controller; and [0025]

Morrison disclose all the limitations as above except deferring the locked-bus transaction at the bus agent by said first node controller. However, Nakamura discloses controller detects whether the PCI bus is in a state of resource lock by using the lock signal at the granted bus access enable signal and prohibiting controller from executing a transaction when PCI bus is in a state of resource lock. Therefore, the target retry generated. (col.2, lines 38-65). Furthermore, Nakamura discloses a target retry is sent from a target device. (emphasizing at the bus agent as applicant claimed, col.13, lines 1-7)

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It would have been obvious to one having ordinary skills in the art at the time the invention was made to incorporate Nakamura's teaching into Morrison's system so as to improve the compatibility between different architectures. (col.2, lines 11-16)

As per claims 2,11, Morrison discloses the method further comprising transmitting the locked-bus request from the first node controller to a second node controller(fig.2, 222), [0027], [0023], wherein controller 222 corresponding to one of nodes 107-109).

As per claims 3,12, Morrison discloses the method further comprising preventing bus transactions on a bus coupled to said second node controller. [0035], wherein retries transaction implies preventing if not available)

As per claims 4,13, 20, Morrison discloses the method further comprising performing the locked-bus transaction by the bus agent over the multi-node system.[0021]

As per claims 5,14, Morrison discloses the method further comprising asserting a signal to said bus agent by said first node controller to prevent said bus agent from initiating a bus transaction.[0028], wherein pending locked transaction implies preventing)

As per claims 6,15, Morrison discloses the method further comprising the method further comprising transmitting the locked-bus request from the first node controller to a second node controller. (fig.2, 222), [0027], [0023], wherein controller 222 corresponding to one of nodes 107-109)

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As per claims 7,16, Morrison discloses the method further comprising preventing bus transactions on a bus coupled to said second node controller.[0035]

As per claims 8,17, Morrison discloses the method further comprising deasserting said signal to said bus agent by said first node controller.[0028]

As per claims 9,18, Morrison discloses the method further comprising performing the locked-bus transaction by the bus agent over the multi-node system.[0021]

As per claim 21, Morrison discloses the method for executing a locked bus transaction in a multi-node system, comprising:

- initiating a locked-bus transaction at a bus agent for a first I/O node including a first I/O device; [0017], [0025], [0027]
- transmitting a locked-bus request to a first node controller; and
 [0025],[0027]

Morrison disclose all the limitations as above except deferring the locked-bus transaction at the bus agent by said first node controller. However, Nakamura discloses controller detects whether the PCI bus is in a state of resource lock by using the lock signal at the granted bus access enable signal and prohibiting controller from executing a transaction when PCI bus is in a state of resource lock. Therefore, the target retry generated. (col.2, lines 38-65). Furthermore, Nakamura discloses a target retry is sent from a target device. (emphasizing at the bus agent as applicant claimed, col.13, lines 1-7)

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It would have been obvious to one having ordinary skills in the art at the time the invention was made to incorporate Nakamura's teaching into Morrison's system so as to improve the compatibility between different architectures. (col.2, lines 11-16)

As per claim 22, Morrison discloses the method further comprising transmitting the locked-bus request from the first node controller to the first I/O node [0025], [0027]

As per claim 23, Morrison discloses the method further comprising preventing transactions at the first I/O node for I/O devices coupled in said first I/O node. [0035]

As per claim 24, Morrison discloses method further comprising performing the locked-bus transaction by the bus agent over the multi-node system to the first I/O device. [0021], [0027]

Response to Amendment

3. Applicant's amendment filed on 2/26/04 have been fully considered but are moot in view of the new ground(s) of rejection.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kim Huynh whose telephone number is (703)305-5384 or via e-mail addressed to [kim.huynh3@uspto.gov]. The examiner can normally be reached on M-F 8:30AM- 6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on (703) 305-4815 or via e-mail addressed to [mark.rinehart@uspto.gov]. The

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fax phone numbers for the organization where this application or proceeding is assigned are (703)872-9306 for regular communications and After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)306-5631.

Know Domes

Kim Huynh

March 9, 2004

Khanh Dang Primary Examiner Page 6